

King County DNRP Water Quality Index

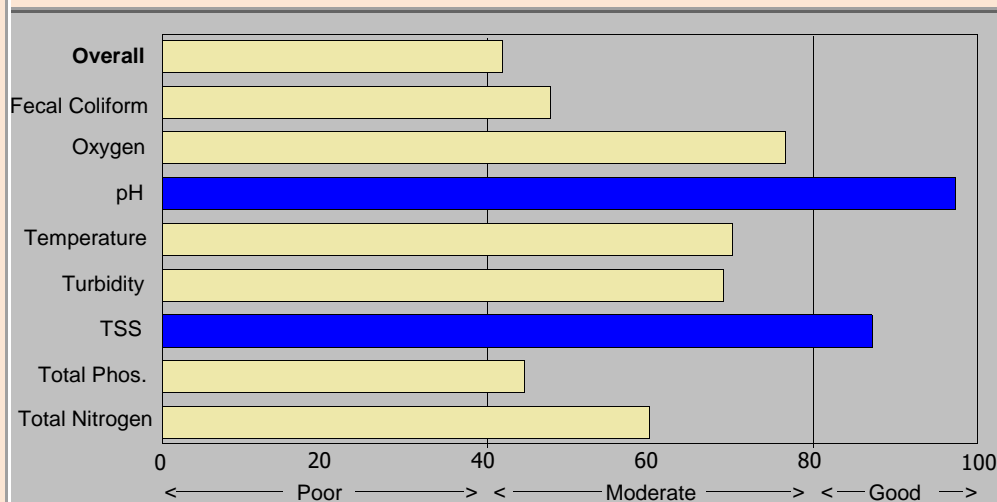
STATION **A670** WATER YEAR **2018**

GAUGE # 15c Laughing Jacobs Creek at E Lake Sammamish Pkwy Overall Index **42**

King County monitors water quality in Laughing Jacobs Creek at station A670, which is located just upstream from the mouth where the stream crosses East Sammamish Parkway SE. Monthly monitoring began at this site in 2014. Headwaters of the creek flow from Laughing Jacobs Lake through the plateau and into the southeastern shore of Lake Sammamish. The upper portion of the basin is within the City of Sammamish and the lower portion is within the City of Issaquah. This creek contains one of only three consistent spawning populations of late-run Lake Sammamish kokanee. The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of temperature, dissolved oxygen, and fecal coliform bacteria standards. Laughing Jacobs Creek is also listed for bioassessment scores that indicate that biological integrity is degraded.

Annual Water Quality Index Scores

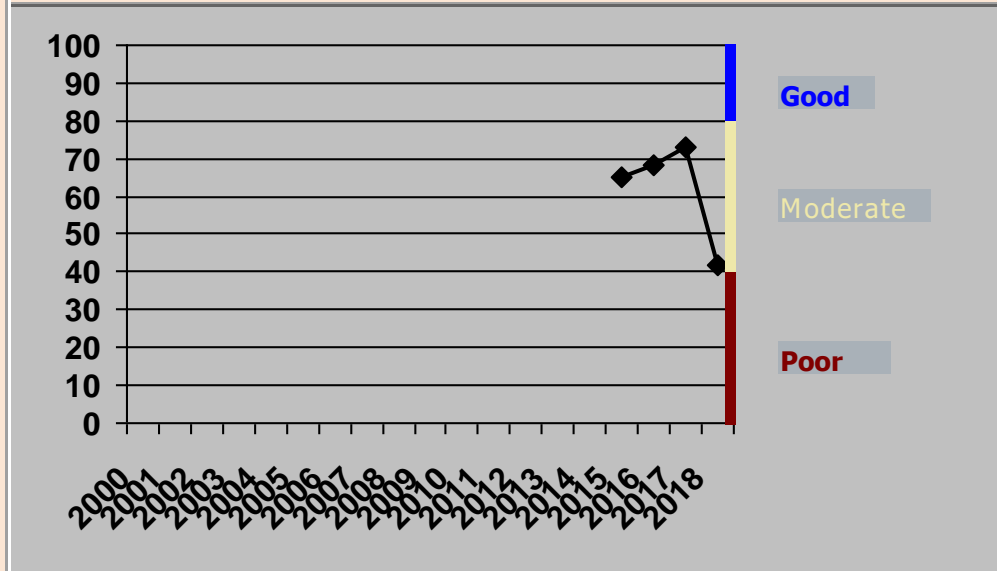
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
94	86	95	93	97	97	72	62	85	80	64	1

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>